



PATENT
03382-P0031A ELF

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	Alan R. Neuhauser, et al.
Serial No. 09/318,045	Filing Date: May 25, 1999
Title of Application:	Decoding Of Information In Audio Signals
Confirmation No. 9843	Group Art Unit: 2654
Examiner	Martin Lerner

RECEIVED

Assistant Commissioner for Patents
Washington, DC 20231

APR 17 2003
Technology Center 2600

APPROVED

Transmittal of Formal Drawings

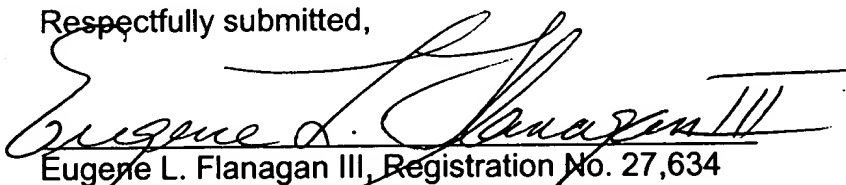
-myr

05/01/03 Dear Sir:

Applicant submits herewith 10 sheets of formal drawings for the subject application.

Respectfully submitted,

April 10, 2003


Eugene L. Flanagan III, Registration No. 27,634
Attorney for Applicant
ST.ONGE STEWARD JOHNSTON & REENS LLC
986 Bedford Street
Stamford, CT 06905-5619
203 324-6155

Certificate of Mailing: I hereby certify that this correspondence is today being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents; Washington, DC 20231.

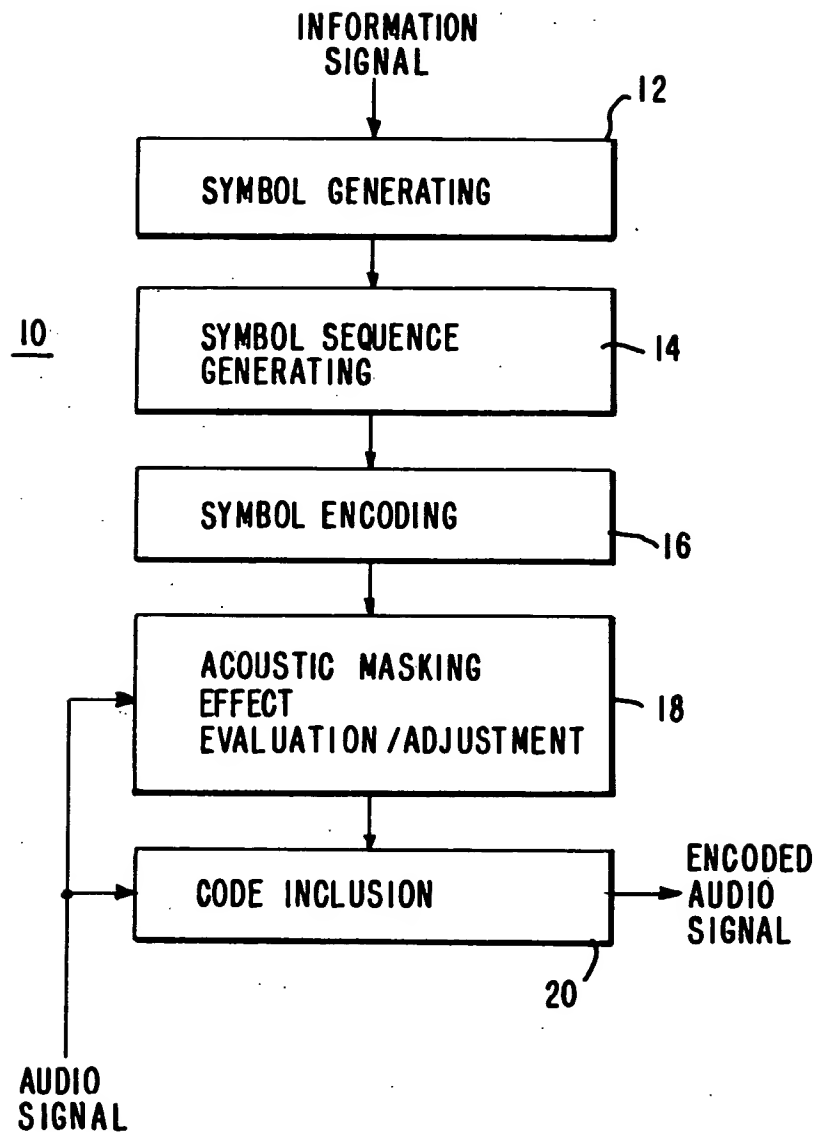
April 10, 2003


Maryalice Glaser



1/10

FIG. 1





2/10

FIG. 2

INFORMATION SIGNAL	SYMBOL
COPYRIGHTED WORK	S ₁
AUTHOR	S ₂
BROADCASTING STATION	S ₃
DATE	S ₄



3/10

FIG. 3A



FIG. 3B

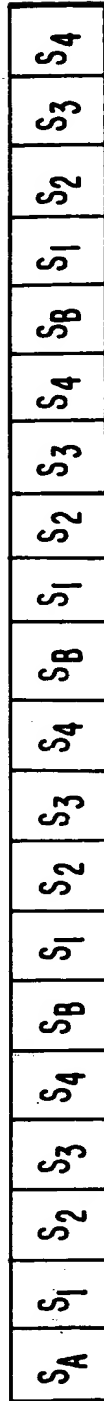


FIG. 3C

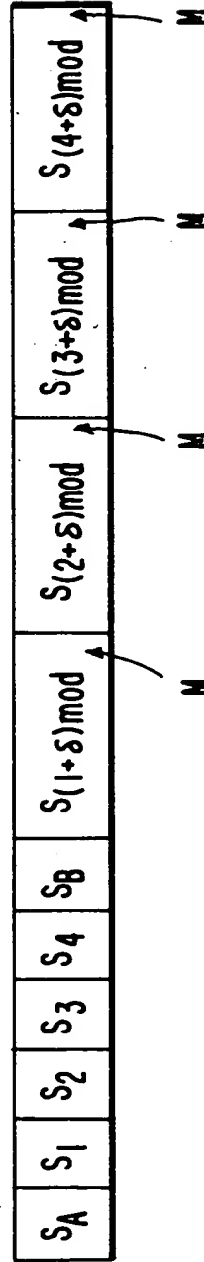




FIG. 4

4/10

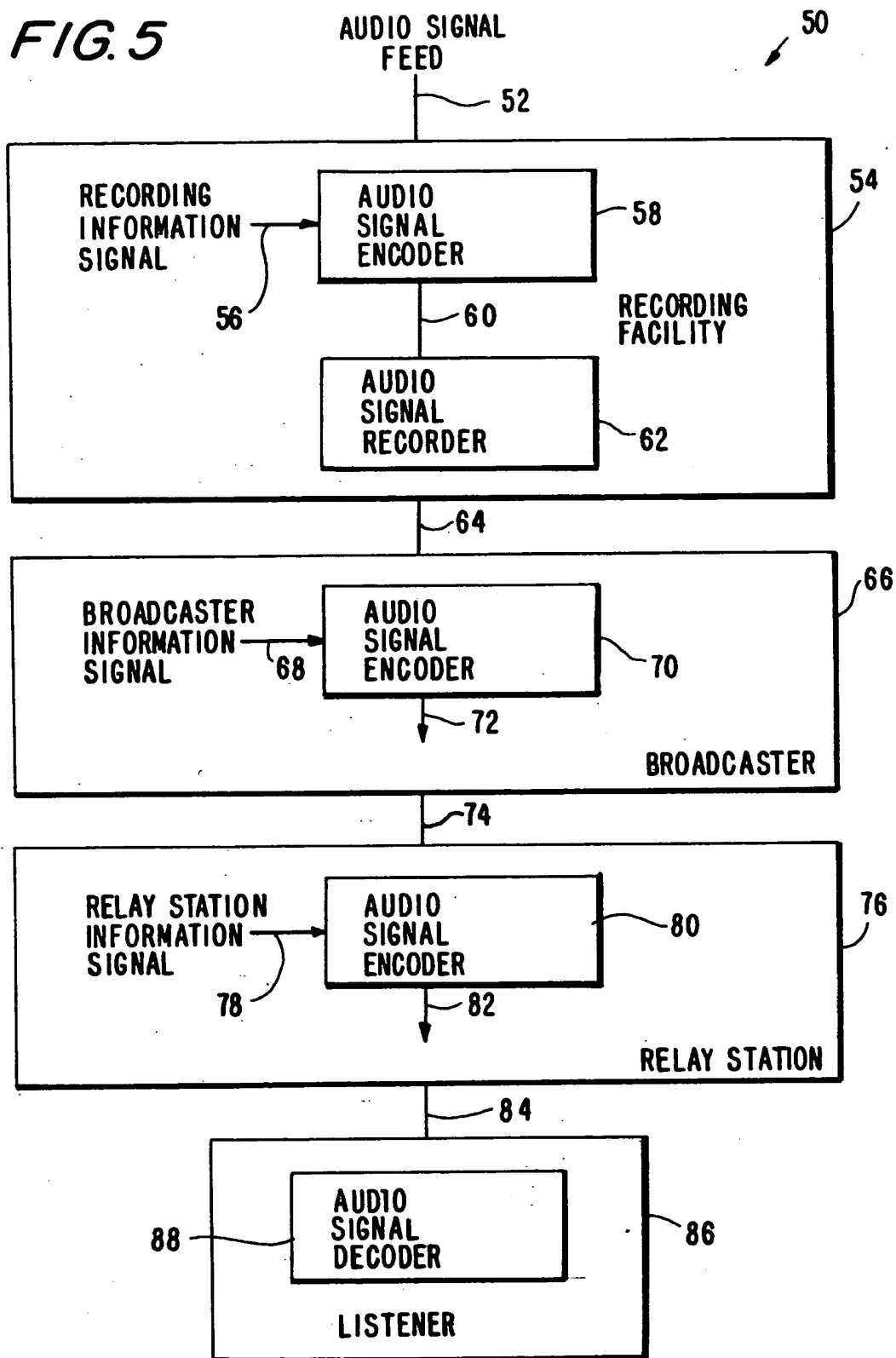
	SYMBOL									
	S _A	S _B	S ₁	S ₂	S ₃	S ₄	.	.	S _{N-1}	S _N
1	f _{1A}	f _{1B}	f ₁₁	f ₁₂	f ₁₃	f ₁₄	.	.	f _{1(N-1)}	f _{1N}
2	f _{2A}	f _{2B}	f ₂₁	f ₂₂	f ₂₃	f ₂₄	.	.	f _{2(N-1)}	f _{2N}
3	f _{3A}	f _{3B}	f ₃₁	f ₃₂	f ₃₃	f ₃₄	.	.	f _{3(N-1)}	f _{3N}
4	f _{4A}	f _{4B}	f ₄₁	f ₄₂	f ₄₃	f ₄₄	.	.	f _{4(N-1)}	f _{4N}
.
.
.
N-1	f _{(N-1)A}	f _{(N-1)B}	f _{(N-1)1}	f _{(N-1)2}	f _{(N-1)3}	f _{(N-1)4}	.	.	f _{(N-1)(N-1)}	f _{(N-1)N}
N	f _{NA}	f _{NB}	f _{N1}	f _{N2}	f _{N3}	f _{N4}	.	.	f _{M(N-1)}	f _{NN}

FREQUENCY
COMPONENT



5 / 10

FIG. 5





6/10

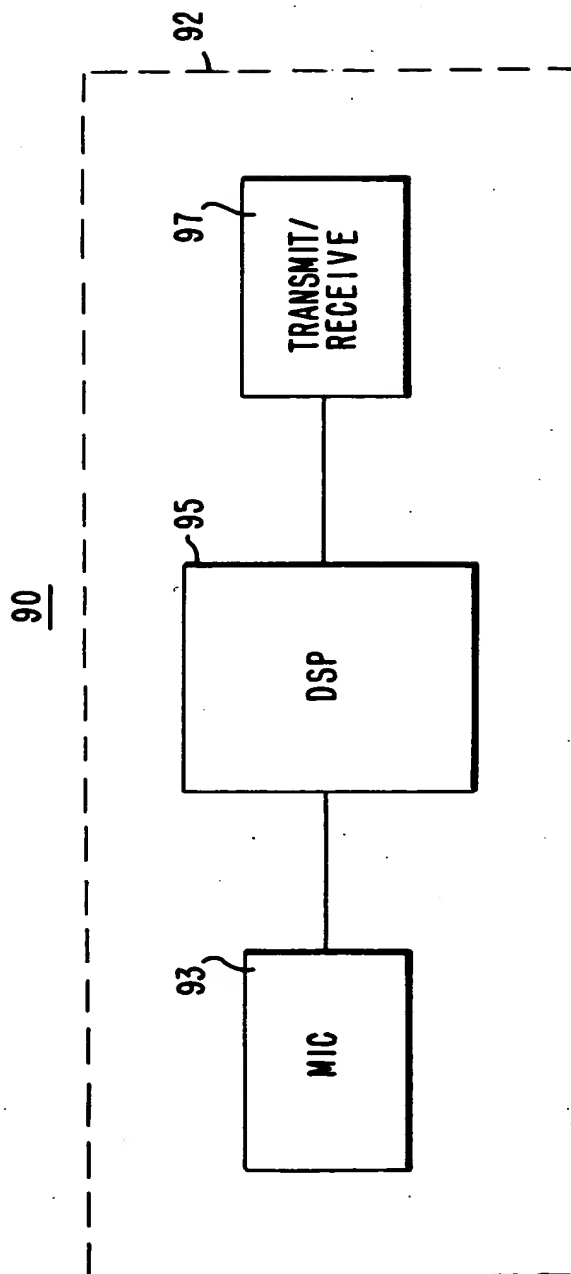


FIG.6



7/10

FIG. 7

100

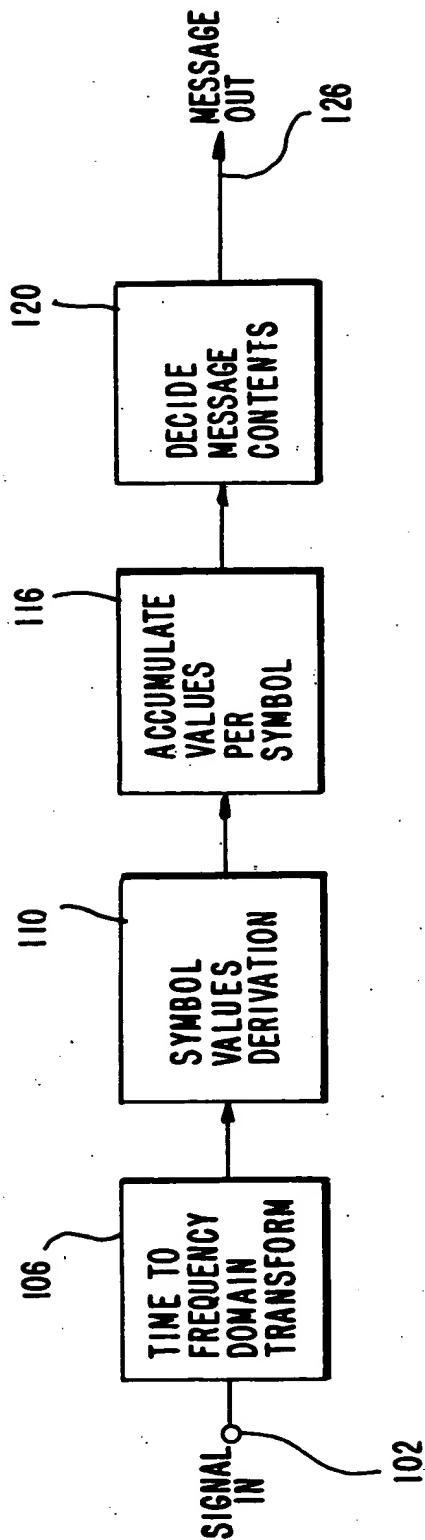
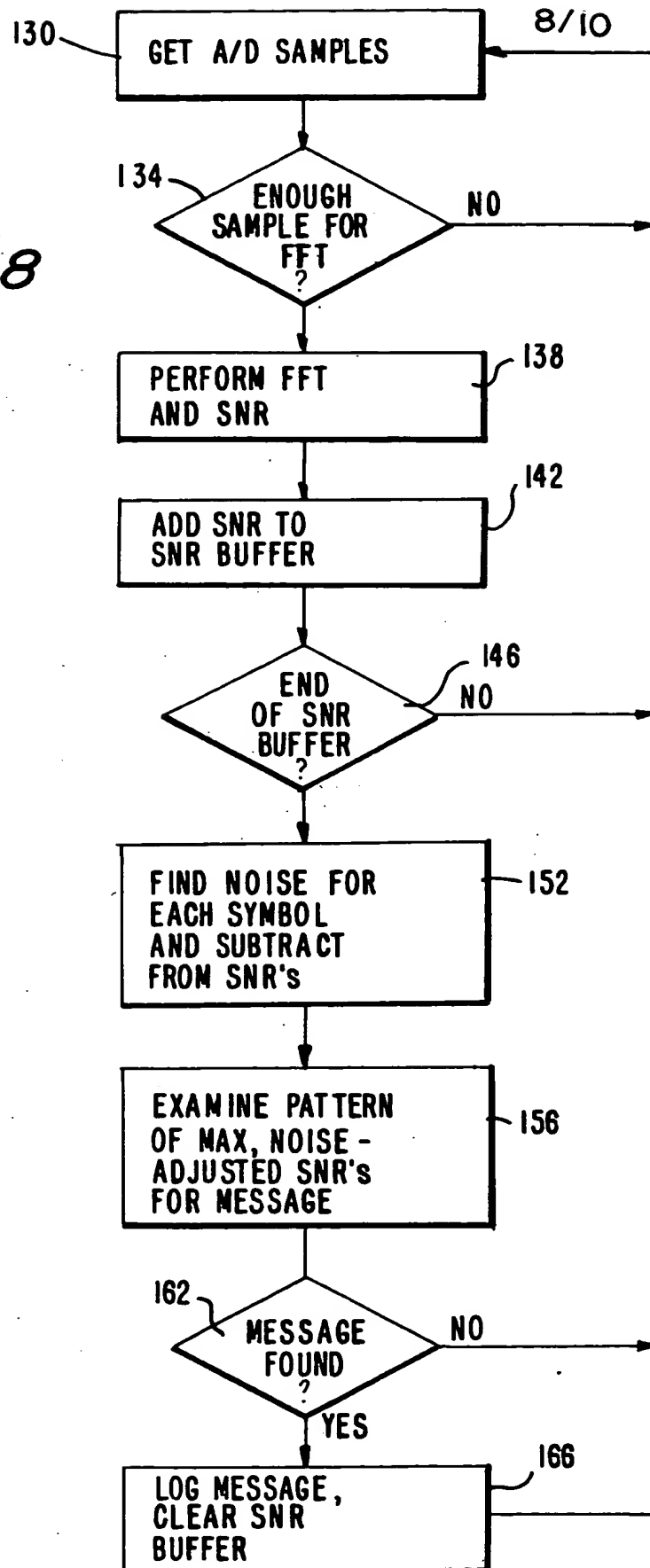




FIG. 8





9/10

FIG. 9

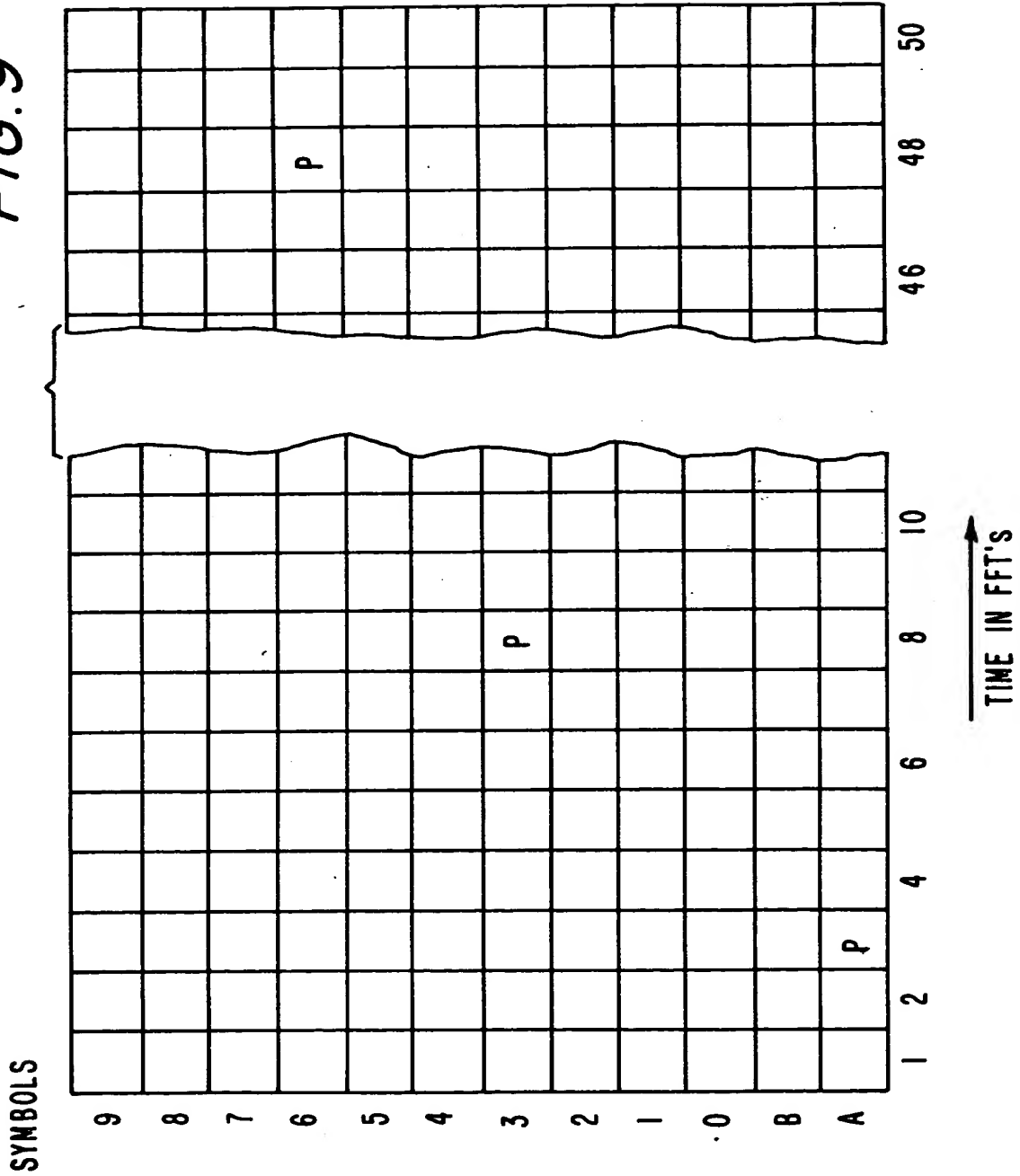


FIG. 10

10/10

